

Sapphire RCB

Rigid core board vinyl flooring



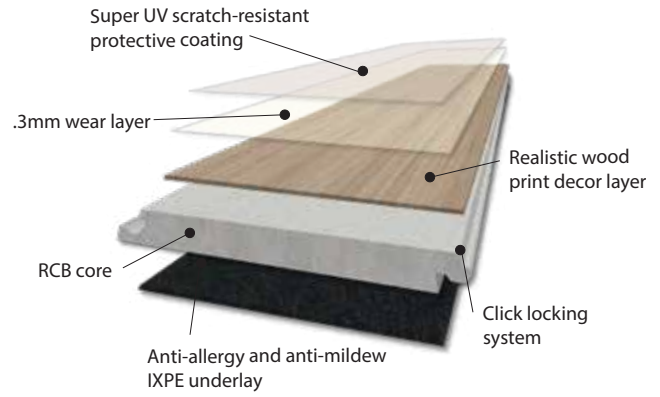
Sapphire Vinyl
RCB, Residential vinyl flooring

Plank dimensions: 1230 x 184 x 5.5mm (1.81 sqm/box)

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Sapphire RCB

SPECIFICATIONS	RIGID CORE TECHNOLOGY
Construction	Rigid core board vinyl - Stone plastic composite
Total thickness	5.5mm including .3mm wear layer & attached 1mm IXPE underlay
Plank dimensions	1230 x 184 x 5.5mm
Texture option/Surface finish	Antique wood finish and 4-sided micro bevel
Installation method	Click system (Glue-less installation)
Warranty	20 years heavy domestic 5 years light commercial
Waterproof	100% from Topical water



TECHNICAL DATA	RIGID CORE TECHNOLOGY		
TEST	STANDARD	REQUIREMENTS	RESULT
Dimensional squareness and straightness	EN426	Size: <0.15% from Nominal If size <400mm: <0.25mm If size >400mm:<0.34mm	Pass Pass Pass
Dimensional stability and curling	EN436 EN436	Stability: 0.15% Curling: ≤1.2mm	Surpasses Requirements Surpasses Requirements
Abrasion/Wear resistance	EN660-2		Fv<2.0mm ³ /100r
Castor Chair	ISO4918	After 25,000 cycles: Delamination – none. Appearance < “slight Change”	Passes Requirements.
Flexibility	EN435	No cracks (20mm Mandrel)	Passes Requirements
Chemical resistance	EN423	N/A	No Effect
Sound Reduction	EN ISO 10140-3 ISO 717-2 EN ISO 140-8	N/A	ΔLw = 11dB C1Δ = -6dB
Colour fastness to light	ISO 105-B02, method 3	≥ Grade 6	Surpasses Requirements
Residual indentation	EN 433	≤0.1mm	Surpasses Requirements
Slip resistance (Dry)	EN 13893	Class DS: Coefficient of Friction >0.30	Passes/surpasses requirements
Slip Resistance (Wet)	DIN 51130	Grade R10:>10° and <19°	Passes/Surpasses requirements
Reaction to Fire (and smoke Production)	EN 13501-1	Bf1-S1 Classification: Critical Flux:>8.0KW/m ² , Flame Spread: <150mm within 20s, Smoke value as % x min:<750.	Passes Requirements.
Formaldehyde Emission	EN717-1	Class EO: Release<0.05mg/m ³	0 mg.m ³
Thermal Resistance	EN12667	N/A	0.21149W/mk@25°C
Product-Content Safety	REACH SVHC 163	N/A	Passes Requirements

CERTIFICATES



KEY INSTALLATION CONSIDERATIONS FOR RESIDENTIAL & COMMERCIAL APPLICATIONS

Subfloor flatness tolerances	Flat to 4.7mm per 3.3meter radius
Is underlayment (pad) recommended	No - IXPE pad attached
Acclimatisation requirements	24 hours recommended
Transition requirements (T-Mold) for large spaces	Required when in excess of recommended floor coverage. N.B. Recommended coverage in an uncontrolled environment is 10lin.m x 15lin.m
Transition requirements (T-Mold) Doorways/Thresholds	Required if outside of recommended floor coverage of 10 lin.m x 15 lin.m
Installation over existing ceramic tile floor	Filling in grout lines wider than 3.5mm/deeper than 3mm is required
Glue down installation	Not recommended / Except for stair cases
Subfloor RH/MVER (Moisture vapour emission rate) recommendations	85% RH/8 lbs MVER (Moisture vapour emission rate)
Radiant heat	Not to exceed 28° C
Perimeter expansion requirements	Expansion gap must be 10mm within the total floor coverage. Expansion gap to be covered with a 1/4 round or skirting on perimeter walls & around heavy fixed objects
Optimal interior environmental conditions	18° - 30°C and 60% - 80% RH
Fitted cabinets	Do not install cabinets on floor planks/panels
Extreme temperature	Should be maintained between -3°C and 50°C

PRE-INSTALLATION SUBFLOOR REQUIREMENTS

All Subfloors must be:	<ul style="list-style-type: none"> • Dry • Clean: Thoroughly swept and free of all debris • Structurally sound • Level: Flat to 4.7mm per 3.3 meters radius.
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